



DEPARTMENT OF PERMITTING, ENVIRONMENT, AND REGULATORY
AFFAIRS (PERA)
BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/pera

Florida Window Systems, Corp.
7191 NW 77th Terrace
Medley, FL 33166

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County PERA - Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. PERA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code. This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "4000 Impact Picture" Aluminum Fixed Window – L.M.I.

APPROVAL DOCUMENT: Drawing No: **W10-89**, titled "Series 4000 Aluminum Fixed Window (L.M.I.)", sheets 1 through 5 of 5, dated 01/10/11, with revision B dated 03/07/12, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P. E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant.

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official. This NOA revises NOA # 11-0207.08 and consists of this page 1 and evidence page E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by **Manuel Perez, P.E.**



MP
7/5/29/12

NOA No. 12-0315.11
Expiration Date: February 23, 2016
Approval Date: June 07, 2012
Page 1

Florida Window Systems, Corp.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No **W10-89**, titled "Series 4000 Aluminum Fixed Window (L.M.I.)", sheets 1 through 5 of 5, dated 01/10/11, with revision B dated 03/07/12, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.

B. TESTS

1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of aluminum picture window, prepared by American Test Lab of south Florida, Inc., Test Report No. **ATLSF-0802.01-05**, dated 09/06/05, signed and sealed by William R. Mehner, P.E. *(Submitted under previous NOA No.05-1107.04)*

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC-2007, prepared by Al-Farooq Corporation, dated 12/28/10, signed and sealed by Javad Ahmad, P.E. *(Submitted under previous NOA No. 11-0207.08)*
2. Glazing complies with ASTM E1300-04

D. QUALITY ASSURANCE

1. Miami-Dade Department of Permitting, Environment, and Regulatory Affairs (PERA)

E. MATERIAL CERTIFICATIONS

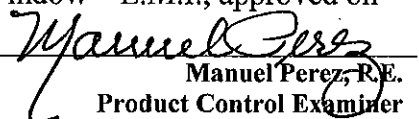
1. Notice of Acceptance No. **11-0624.02** issued to **E.I. DuPont DeNemours & Co., Inc.** for their "**DuPont SentryGlas® Interlayer**" dated 08/25/11, expiring on 01/14/17.

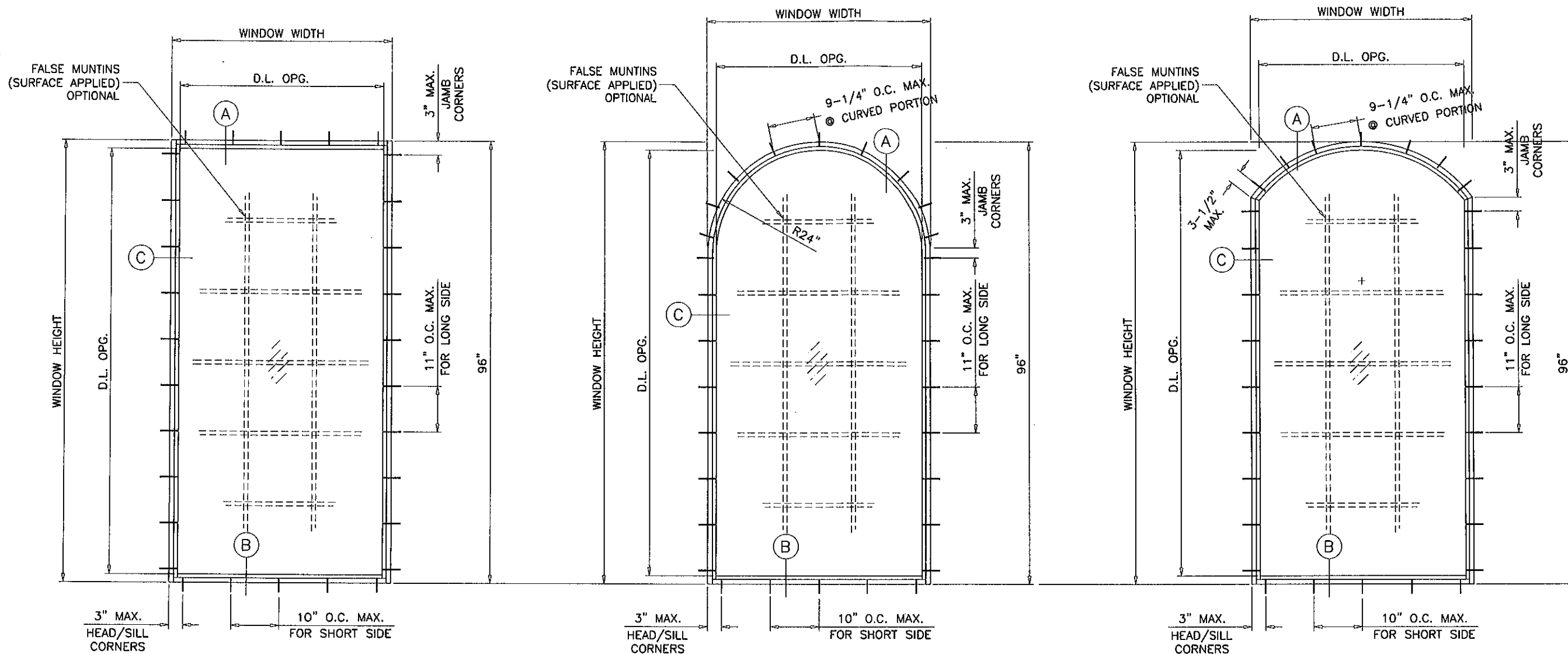
F. STATEMENTS

1. Statement letter of conformance, complying with FBC-2010, and of no financial interest, dated May 24, 2012, signed and sealed by Javad Ahmad, P.E.
2. Laboratory compliance letter for Test Report No. **ATLSF-0802.01-05**, issued by American Test Lab of south Florida, Inc., dated September 06, 2005, signed and sealed by William R. Mehner, P. E. *(Submitted under NOA No. 05-1107.04)*

G. OTHER

1. Notice of Acceptance No. **11-0207.08**, issued to Florida Window Systems, Corp., for their Series "4000 Impact Picture" Aluminum Fixed Window - L.M.I., approved on 04/14/11 and expiring on 02/23/16.


Manuel Perez, P.E.
Product Control Examiner
NOA No. 12-0315.11
Expiration Date: February 23, 2016
Approval Date: June 07, 2012



SERIES 4000 **ALUMINUM FIXED WINDOW**

DESIGN LOAD RATINGS FOR THESE WINDOWS TO BE AS PER CHARTS SHOWN ON SHEET 2.

APPROVAL APPLIES TO SINGLE UNITS OR SIDE BY SIDE COMBINATIONS OF FIX./FIX. OR FIXED WITH OTHER WINDOW TYPES IN MODULES OF TWO OR MORE WINDOWS USING MIAMI-DADE COUNTY APPROVED MULLIONS IN BETWEEN. LOWER DESIGN PRESSURE FROM WINDOWS OR MULLION APPROVAL WILL APPLY TO ENTIRE SYSTEM.

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).

WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.

ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS, ANCHORS EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL.

A LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.

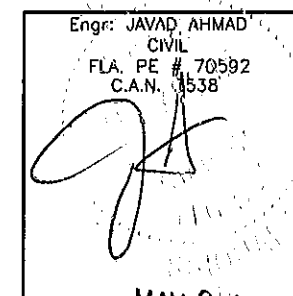
MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE FLORIDA BLDG. CODE SECTION 2003.8.4.

TYPICAL ELEVATIONS

GLASS D.L.O. DIMS.

D.L.O. HEIGHT = WINDOW HEIGHT - 3.750"
D.L.O. WIDTH = WINDOW WIDTH - 3.625"

THESE WINDOWS ARE RATED FOR LARGE & SMALL MISSILE IMPACT. SHUTTERS ARE NOT REQUIRED.



PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 12-0315.11
Expiration Date FEB 23, 2016
By: *Manuel Perez*
Miami Dade Product Control

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX (305) 262-6978
COMP - ANL W10-89FWS

afC

SERIES 4000 ALUMINUM FIXED WINDOW (L.M.I.)
FLORIDA WINDOW SYSTEMS CORP.
7191 N.W. 77 TERRACE
MEDLEY, FL. 33166
TEL. (305) 805-9420 FAX (305) 805-9424

date: 01-10-11
scale: 1/2"=1'-0"
dr. by: K.Y.
chk. by:

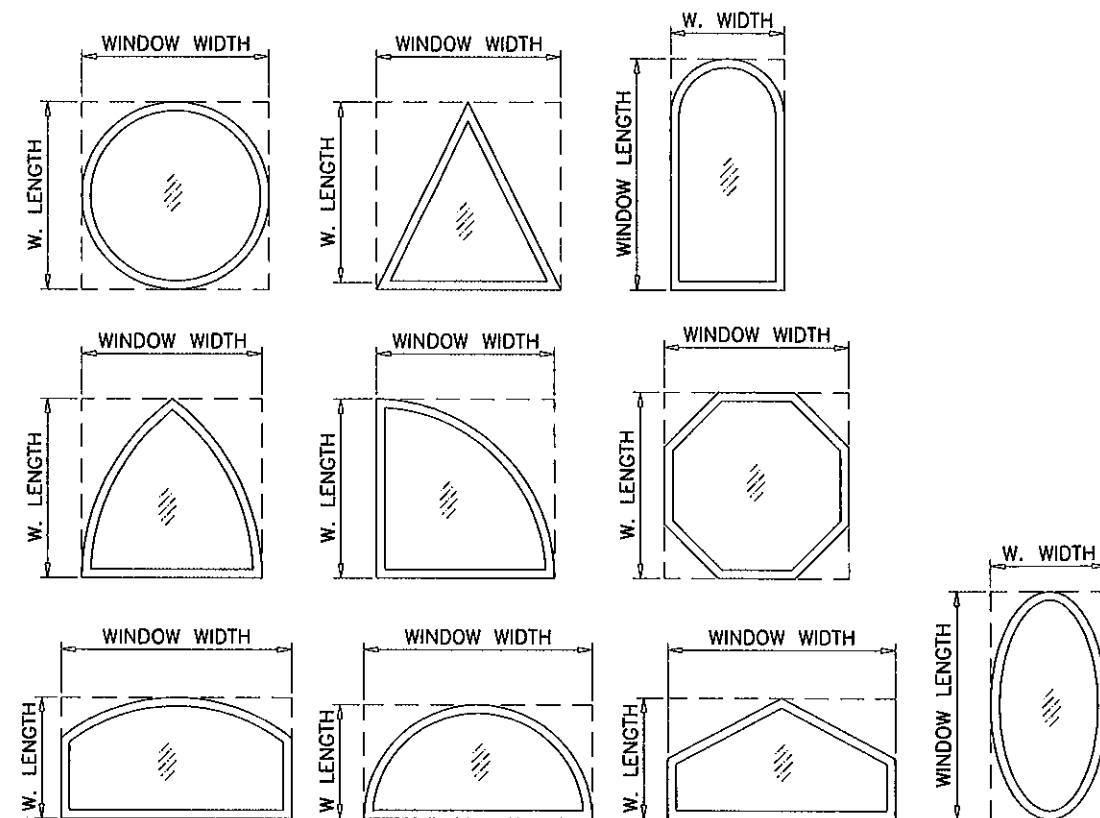
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B	03.07.12	UPDATED TO 2010 FBC

drawing no.
W10-89
sheet 1 of 5

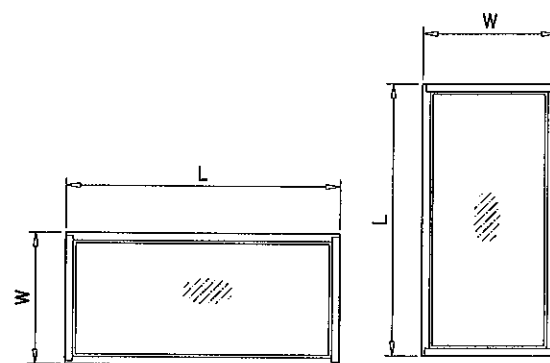
DESIGN LOAD CAPACITY			
WINDOW DIMS.		Pd (PSF)	
WIDTH (W)	LENGTH (L)	EXT.(+)	INT.(-)
24"	48"	70.0	70.0
30"		70.0	70.0
36"		70.0	70.0
42"		70.0	70.0
48"		70.0	70.0
54"		70.0	70.0
60"		70.0	70.0
66"		70.0	70.0
24"	54"	70.0	70.0
30"		70.0	70.0
36"		70.0	70.0
42"		70.0	70.0
48"		70.0	70.0
54"		62.2	62.2
60"		62.2	62.2
66"		62.2	62.2
24"	60"	70.0	70.0
30"		70.0	70.0
36"		70.0	70.0
42"		70.0	70.0
48"		70.0	70.0
54"		62.2	62.2
60"		56.0	56.0
66"		56.0	56.0
24"	66"	70.0	70.0
30"		70.0	70.0
36"		70.0	70.0
42"		70.0	70.0
48"		70.0	70.0
54"		62.2	62.2
60"		56.0	56.0
66"		50.9	50.9
24"	72"	70.0	70.0
30"		70.0	70.0
36"		70.0	70.0
42"		70.0	70.0
48"		70.0	70.0
54"		62.2	62.2
60"		56.0	56.0
24"	78"	70.0	70.0
30"		70.0	70.0
36"		70.0	70.0
42"		70.0	70.0
48"		70.0	70.0
54"		62.2	62.2
24"	84"	70.0	70.0
30"		70.0	70.0
36"		70.0	70.0
42"		70.0	70.0
48"		70.0	70.0
54"		62.2	62.2

DESIGN LOAD CAPACITY			
WINDOW DIMS.		Pd (PSF)	
WIDTH (W)	LENGTH (L)	EXT.(+)	INT.(-)
24"	90"	70.0	70.0
30"		70.0	70.0
36"		70.0	70.0
42"		70.0	70.0
48"		70.0	70.0
24"		70.0	70.0
30"		70.0	70.0
36"		70.0	70.0
42"	96"	70.0	70.0
48"		70.0	70.0
24"		70.0	70.0
30"		70.0	70.0
36"		70.0	70.0
42"		70.0	70.0
48"	102"	70.0	70.0
24"		70.0	70.0
30"		70.0	70.0
36"		70.0	70.0
42"		70.0	70.0
24"	108"	70.0	70.0
30"		70.0	70.0
36"		70.0	70.0
42"		70.0	70.0
24"	114"	70.0	70.0
30"		70.0	70.0
36"		70.0	70.0
24"	120"	70.0	70.0
30"		70.0	70.0
36"		70.0	70.0

DESIGN LOAD CAPACITY			
WINDOW DIMS.		Pd (PSF)	
WIDTH (W)	LENGTH (L)	EXT.(+)	INT.(-)
19-1/8"	26"	70.0	70.0
26-1/2"		70.0	70.0
37"		70.0	70.0
53-1/8"		70.0	70.0
19-1/8"		70.0	70.0
26-1/2"	38-3/8"	70.0	70.0
37"		70.0	70.0
53-1/8"		70.0	70.0
19-1/8"		70.0	70.0
26-1/2"		70.0	70.0
37"	50-5/8"	70.0	70.0
53-1/8"		66.4	66.4
19-1/8"		70.0	70.0
26-1/2"		70.0	70.0
37"		70.0	70.0
53-1/8"	63"	63.2	63.2
19-1/8"		70.0	70.0
26-1/2"		70.0	70.0
37"		70.0	70.0
53-1/8"		63.2	63.2
19-1/8"	76"	70.0	70.0
26-1/2"		70.0	70.0
37"		70.0	70.0
53-1/8"		63.2	63.2

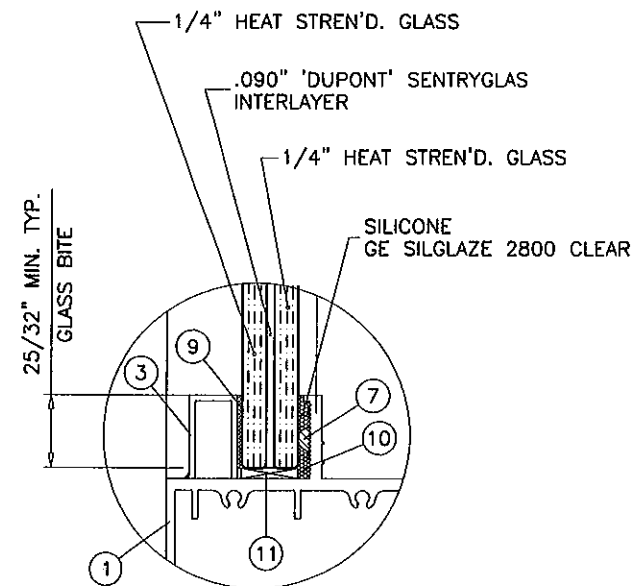


ALLOWABLE LOADS FOR ALTERNATE SHAPES AS SHOWN ABOVE OR SIMILAR CAN BE VERIFIED BY INSCRIBING PICTURE WINDOW SHAPE WITHIN SQUARE OR RECTANGLE AS SHOWN IN DOTTED LINES AND OBTAINING ALLOWABLE LOADS FROM THOSE SHAPES.



NOTE:
WIDTH AND LENGTH DIMENSIONS CAN BE ORIENTED VERTICALLY OR HORIZONTALLY AS SHOWN ABOVE.

NOTE:
GLASS CAPACITIES ON THIS SHEET ARE BASED ON ASTM E1300-04 (3 SEC. GUSTS). AND FLORIDA BUILDING COMMISSION DECLARATORY STATEMENT DCA05-DEC-219



GLAZING OPTIONS

Engr: JAVAD AHMAD
CIVIL
FLA. PE # 70592
C.A.N. 3538

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By: *Manuel Perez*
Miami Dade Product Control

MAY 24 2012

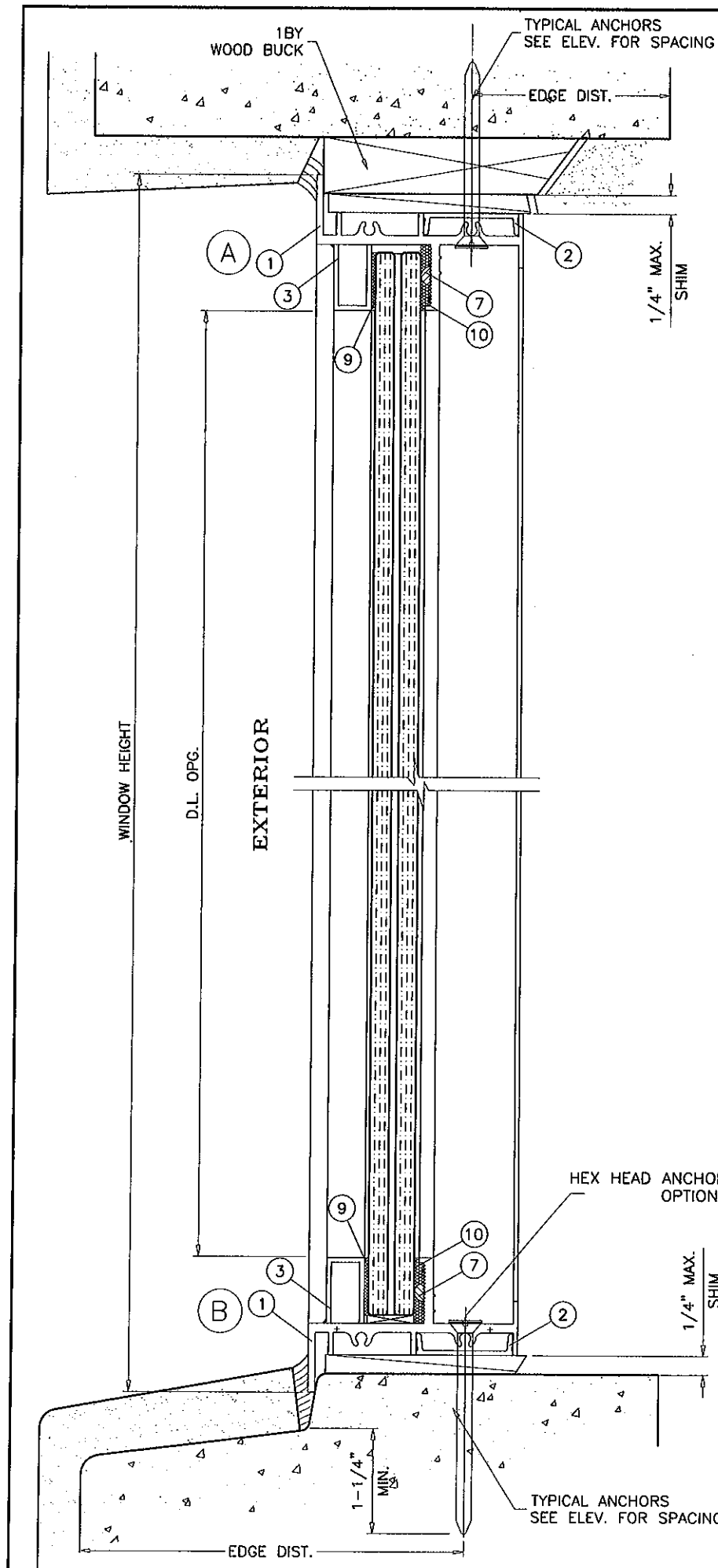
AL-FAROOQ CORPORATION
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1235 S.W. 87 AVE
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SERIES 4000 ALUMINUM FIXED WINDOW (L.M.I.)
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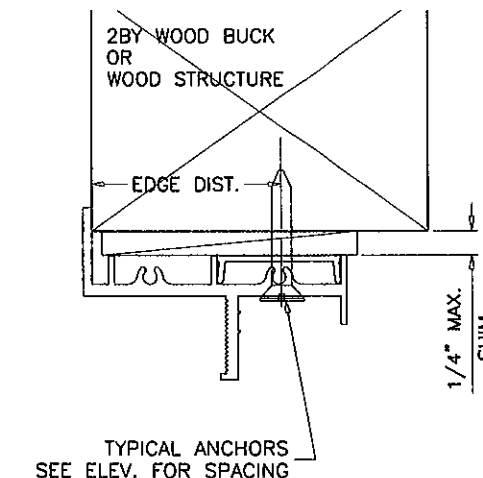
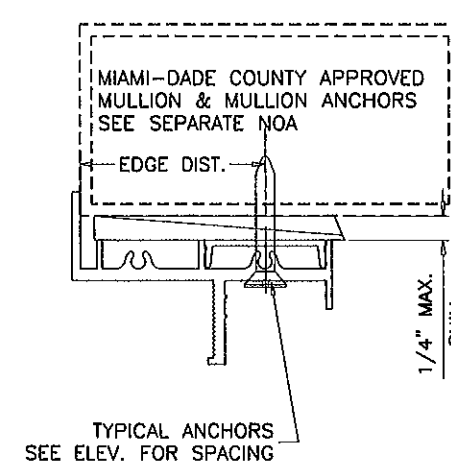
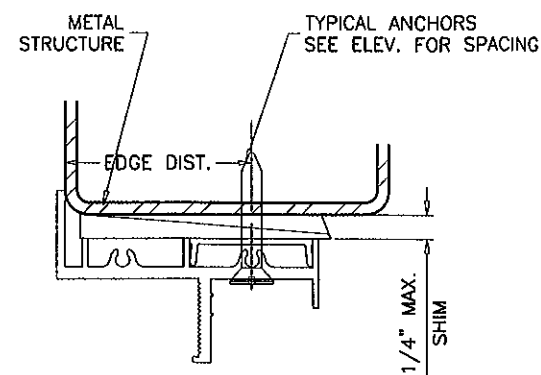
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B	03.07.12	UPDATED TO 2010 FBC	

date:	01-10-11
scale:	1/2"=1'-0"
dr. by:	K.Y.
chk. by:	

drawing no.
W10-89
sheet 2 of 5



WOOD BUCKS AND METAL STRUCTURE NOT BY FLORIDA WDW. SYS. MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.



TYPICAL ANCHORS: SEE ELEV. FOR SPACING

1/4" DIA. TAPCON BY 'ITW' (Fu=120 KSI, Fy=92 KSI)

1/4" DIA. ULTRACON BY 'ELCO' (Fu=177 KSI, Fy=155 KSI)

INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
1-3/8" MIN. PENETRATION INTO WOOD

THRU 1BY BUCKS INTO CONC. OR MASONRY
1-1/4" MIN. EMBED INTO CONC. OR MASONRY

DIRECTLY INTO CONC. OR MASONRY
1-1/4" MIN. EMBED INTO CONC. OR MASONRY

#14 SMS OR SELF DRILLING SCREWS (GRADE 2 CRS)
INTO METAL STRUCTURES

STEEL : 1/8" THK. MIN. (Fy = 36 KSI MIN.)

ALUMINUM : 1/8" THK. MIN. (6063-T5 MIN.)

(STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

TYPICAL EDGE DISTANCE

INTO CONCRETE AND MASONRY = 2-1/2" MIN.

INTO WOOD STRUCTURE = 1" MIN.

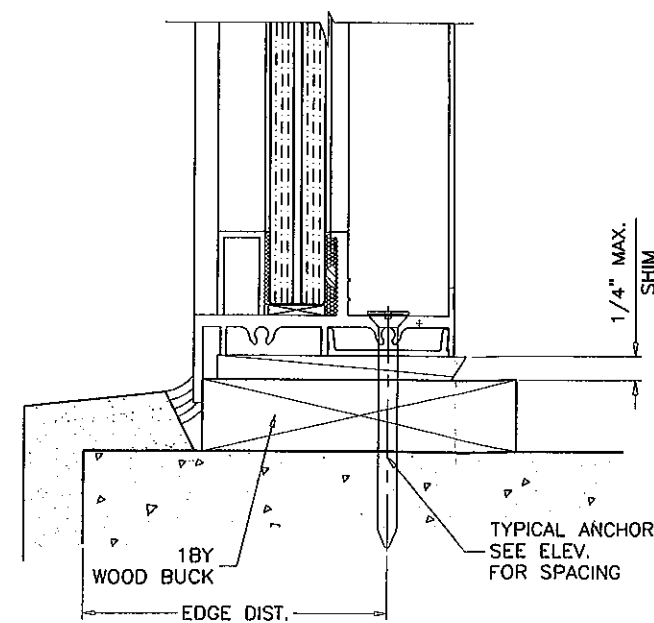
INTO METAL STRUCTURE = 3/4" MIN.

CONCRETE f'c = 3000 PSI MIN.

C-90 HOLLOW/FILLED BLOCK f'm = 2000 PSI MIN.

SEALANT:

ALL JOINTS AND FRAME CONNECTIONS SEALED WITH JOINT SEALER.



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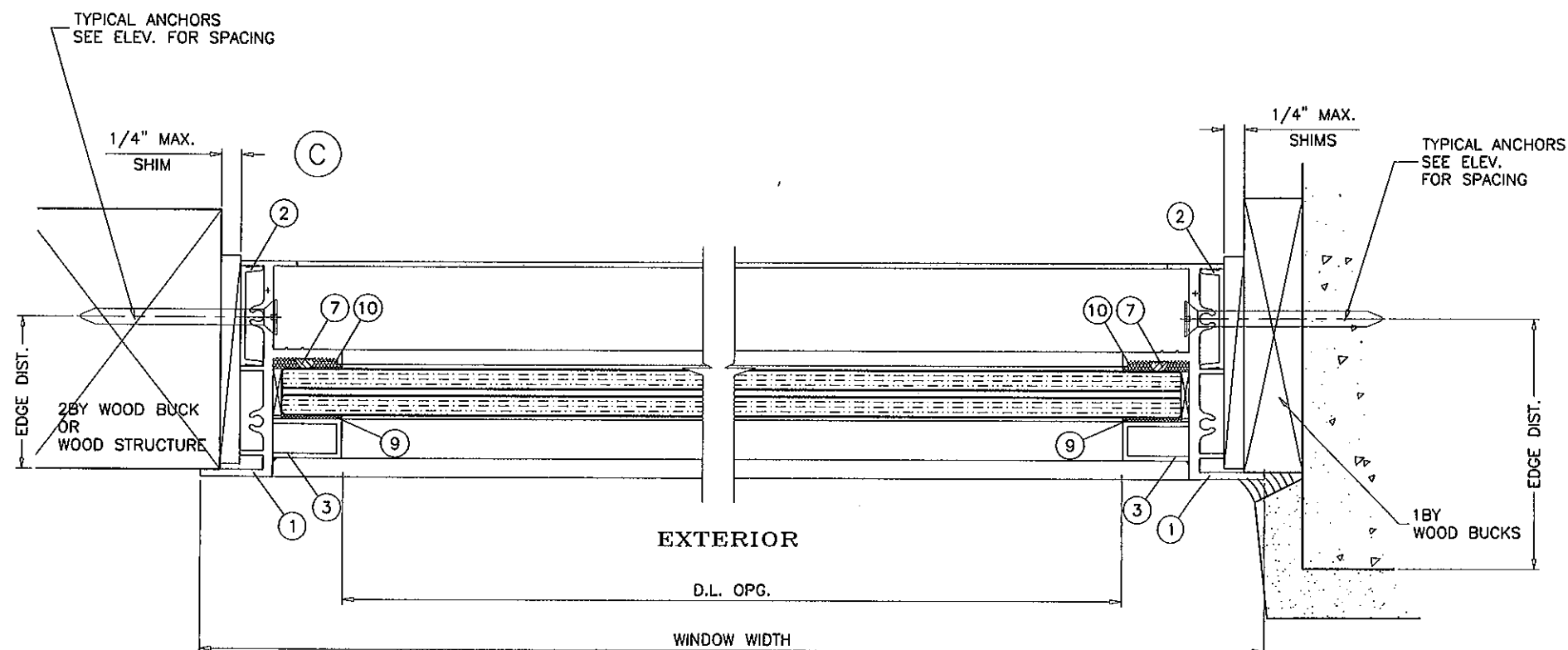
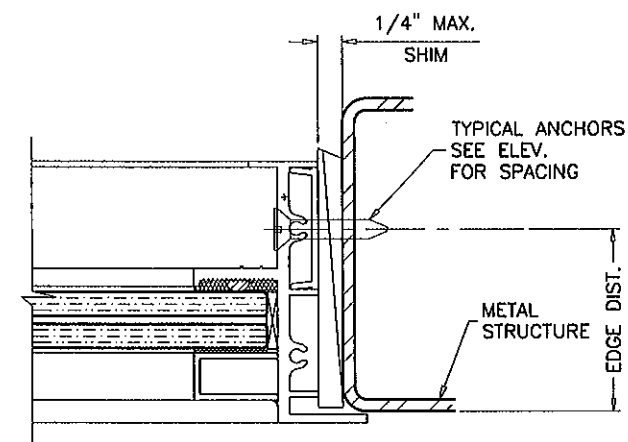
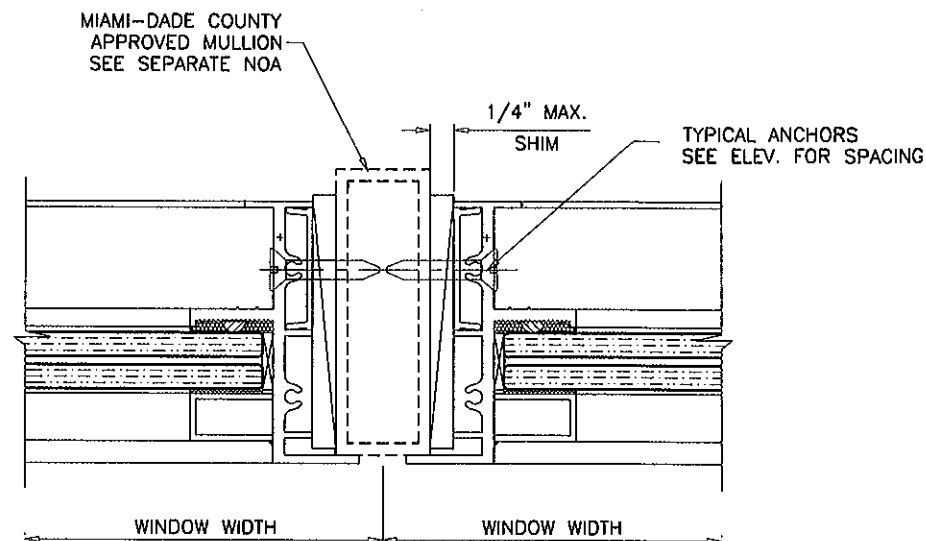
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sheet	3 of 5			



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date: 01-10-11	scale: 1/2" = 1"	dr. by: K.Y.	chk. by:
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drawing no.
W10-89

sheet 4 of 5

